

845G

## Electric transport properties

Electric discharge lamps  
Glow discharge sources  
Spark plugs  
Sputtering devices  
See also related:  
Electric discharge  
Vacuum chambers  
Electric discharge lamps  
See also narrower:  
Flash lamps  
Plasmatrons  
See also related: Spectrometers  
Electric discharge machining  
Valid heading during volumes 127-130 (July 1997-June 1999) only  
See Machining, elec.-discharge  
Electric domain  
See Ferroelectric domain  
Electric double layer  
See also related:  
Adsorption  
Disjoining pressure  
Electric capacitance  
Interface  
Zeta potential  
Electric eel (*Electrophorus electricus*)  
Electric energy  
See also related:  
Electric potential  
Power  
Electric engineering  
See Electrical engineering  
Electric failure  
See also narrower: Short circuits (electrical apparatus)  
See also related:  
Electric breakdown  
Electronics  
Radiation hardness (apparatus)  
Electric field  
See also narrower:  
Crystal field  
Dielectric strength  
Electric field gradient  
Electrostatic field  
Molecular electric field  
See also related:  
Coulomb potential  
Electric current  
Electric discharge  
Electric potential  
Electric screening  
Electromagnetic field  
Magnetic field  
Electric field (biological)  
Valid heading during volumes 126-130 (1997-June 1999) only  
See Electric field, biol.  
Electric field effects  
See also narrower:  
Dielectric polarization  
Electric activation (dopants)  
Electromechanical effect  
Electrooptical effect  
Inductive effect  
Magnetoelectric effect  
Peltier effect  
Poole-Frenkel effect  
Proximity effect  
Stark effect  
See also related:  
Electric properties  
Electric transport properties  
Electrocapillarity  
Electrohydrodynamics  
Field effect transistors  
Field emission  
Magnetic field effects  
Electric field emission  
See Field emission  
Electric field gradient  
See also related:  
Mossbauer effect  
NQR (nuclear quadrupole resonance)  
Quadrupole coupling  
Electric filters  
Electric furnaces  
See also related: Electric heating  
Electric furnace steelmaking  
Valid heading during volumes 126-130 (1997-June 1999) only  
See Steel (12597-69-2), elec. furnace steelmaking  
Electric fuses  
See also related:  
Antifuses  
Circuit breakers  
Electric switches  
Relays  
Electric generators  
See also narrower: MHD generators  
Electric heaters  
See also related:  
Electric heating  
Electric resistance  
Peltier effect  
Thermoelectric devices  
Electric heating  
See also related:  
Electric furnaces  
Electric heaters  
Ovens  
Thermal runaway  
Electric hysteresis  
See Dielectric hysteresis  
Electric impedance  
See also narrower:  
Electric resistance  
Magnetoelectricity  
Surface impedance  
See also related:  
Electric admittance  
Electric conductivity  
Electric current

Electric impedance (biological)  
Valid heading during volumes 126-130 (1997-June 1999) only  
See Electric impedance, biol.  
Electric inductance  
See Inductance  
Electric induction furnaces  
Valid heading during volumes 126-130 (1997-June 1999) only  
See Electric furnaces, induction  
Electric inductors  
See Electric coils  
Electric insulating oils  
See Transformer oils  
Electric insulators  
See also narrower:  
Dielectric films  
Dielectric liquids  
Electrets  
Ferroelectric materials  
Piezoelectric materials  
Pyroelectric substances  
See also related:  
Breakdown voltage  
Dielectric properties  
Dielectric strength  
Electrical materials  
Electric arc  
Electric circuits  
Electric conductivity transition  
Electric corona  
Gate potential  
Glass  
Metal-insulator transition  
MIS devices  
MISFET (transistors)  
Potting compositions  
Resistors  
Short circuits (electrical apparatus)  
SOI devices  
Space charge  
Electric insulators and Dielectrics  
See Electric insulators  
Electricity  
See also narrower:  
Antiferroelectricity  
Electric charge  
Electric current  
Electric energy  
Electric field  
Electric potential  
Ferroelectricity  
Flexoelectricity  
Photoelectricity  
Piezoelectricity  
Pyroelectricity  
Thermoelectricity  
See also related:  
Electric properties  
Electrochemistry  
Electronics  
Power  
Electric lamps  
See also narrower:  
Electric discharge lamps  
Fluorescent lamps  
UV lamps  
See also related:  
Electroluminescent devices  
Illumination  
Electric leads  
See  
Electric conductors  
Electric contacts  
Wires  
Electric materials  
See Electrical materials  
Electric memory effect  
See Memory effect, elec.  
Electric meters  
See also narrower: Potentiometers  
See also related: Coulometers  
Electric moment  
See  
Dipole moment  
Multipole moment  
Electric motors  
See also related:  
Actuators  
Electromagnets  
Electric noise  
See also narrower: Flicker noise  
See also related:  
Acoustic noise  
Electric current  
Quantum noise  
Electric organ  
Electric organ and tissue  
See Electric organ  
Electric permittivity  
See Dielectric constant  
Electric potential  
See also narrower:  
Bias potential  
Breakdown voltage  
Electrostatic potential  
Flatband potential  
Formal potential  
Gate potential  
Half wave potential  
Interface potential  
Membrane potential  
Open circuit potential  
Overvoltage  
Photovoltage  
Redox potential  
Standard potential  
Surface potential  
Threshold potential  
Zero charge potential  
Zeta potential  
See also related:

Dielectric strength  
Electric breakdown  
Electric capacitance-potential relationship  
Electric charge  
Electric current-potential relationship  
Electric energy  
Electric field  
Potential energy  
Potentiometry  
Protonmotive force  
Electric potential (biological)  
Valid heading during volumes 126-130 (1997-June 1999) only  
See Electric potential, biol.  
Electric power  
See Power  
Electric precipitation  
See Electrostatic precipitation  
Electric properties  
See also narrower:  
Curie-Weiss law  
Dielectric properties  
Electric discharge  
Electric failure  
Electric impedance  
Electric screening  
Electric transport properties  
Pinch effect  
Polarizability  
See also related:  
Electric field effects  
Electricity  
Electric property  
See Electric properties  
Electric quadrupole moment  
See Quadrupole moment  
Electric quadrupole resonance absorption  
See NQR (nuclear quadrupole resonance)  
Electric rays  
See Torpedinidae  
Electric rectification  
See also related:  
Electric current  
Rectifiers  
Electric rectifiers  
See Rectifiers  
Electric relays  
See Relays  
Electric resistance  
See also narrower:  
Contact resistance  
Magnetoresistance  
Negative resistance  
Piezoresistance  
Polarization resistance  
Sheet resistance  
Surface resistance  
See also related:  
Electric conductivity  
Electric heaters  
Joule effect  
PTCR materials  
Superconductivity  
Electric resistance (biological)  
Valid heading during volumes 126-130 (1997-June 1999) only  
See Electric resistance, biol.  
Electric resistors  
See Resistors  
Electric screening  
See also narrower: Electronic screening  
See also related:  
Electric field  
Magnetic screening  
Space charge  
Electric shock  
See also related:  
Electric current  
Fire  
Safety  
Electric spark  
See also related:  
Electric breakdown  
Electric corona  
Glow discharge  
Lightning  
Streamer discharge  
Surface electric charge  
Electric strength  
See Dielectric strength  
Electric susceptance  
See Electric admittance  
Electric switches  
See also narrower:  
Antifuses  
Circuit breakers  
Electrooptical switches  
Photoelectric switches  
Relays  
See also related:  
Cryostats  
Electric contacts  
Electric fuses  
Electric switching  
Thyristors  
Electric switches and switching  
See Electric switching  
Electric switching  
See also narrower: Ferroelectric switching  
See also related:  
Electric conductivity transition  
Electric switches  
Metal-nonmetal transition  
Electric tissue  
See Electric organ  
Electric transformers  
See Transformers  
Electric transport properties  
See also narrower:  
Charge separation  
Current efficiency  
Electric admittance